

Document Number: 040-00071 <div>Form Instructions</div>	Rev	Description	Date	ECO#	
	1	SERVICE MANUAL	2/14/08	00239	
Title	SERVICE MANUAL, REAR TIRE / WHEEL REPLACEMENT				
Operation Description	Sub Assembly				
Standards	Man Occup.	Machine Occup.	Cycle Time	Setup Time	Batch Qty
Equipment List	Equipment		Manufacturer		Qty
	1- Wheel & Tire		T3 Motion		1
	2- Torque wrench		Any		1
	3- 7/16 inch Allen driver		Any		1
	4- Moving dolly or other support		Any		1
Reference Docs	Document #	Description	Document #	Description	
Related Files					
RESP ENGR	Mark Jones				
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SERVICE MANUAL

Item#	Part #	Description	Qty
1	024-00035	Rear Wheel Assembly	1



Serious electrical shock can occur if precautions are not followed.



- **ALWAYS TURN OFF POWER BREAKER IN GLOVE BOX AND REMOVE POWER MODULES BEFORE PERFORMING ANY ELECTRICAL WORK.**



Power breaker in glove box



Power modules

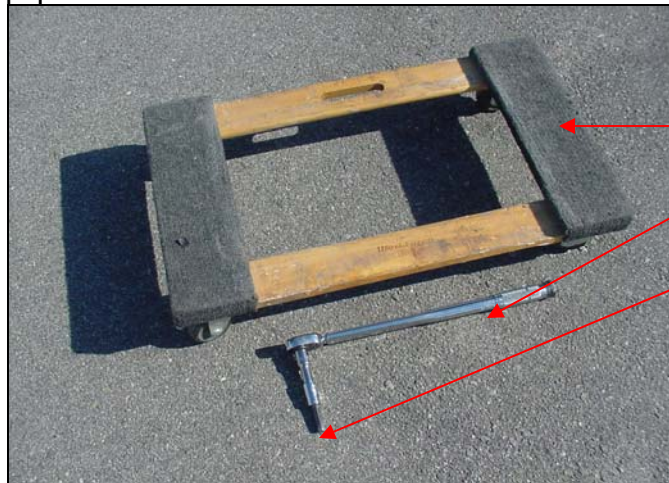
- **ALSO SET THE PARKING BRAKE PRIOR TO ANY WORK.**



Parking brake

WORK INSTRUCTIONS:

- 1.0 Recommended tools for replacing the rear tire & wheel assembly.
See equipment table above for the details.



Mover's dolly
Torque wrench
7/16 hex driver

- 1.1 Rear wheel & tire.



- 1.2 Note directional indicators on tire sidewalls. This tire is for the right side.



- 2.0 Use the wrench to break the four lug bolts loose. Do Not Remove them yet, just loosen them.



- 3.0 Set the T3 unit on the dolly, or other support so the rear wheels are off the ground. It may be helpful to remove the batteries to lighten the vehicle.



- 4.0 Remove the loosened lugs by hand.



- 4.1 Slide the wheel off the unit.



- 5.0 Slide the new wheel & tire assembly on and line up the lug holes in the wheel with the threaded holes for the lug bolts in the hubs.



- 5.1 Hand tighten the lugs to seat the wheel against the hub.



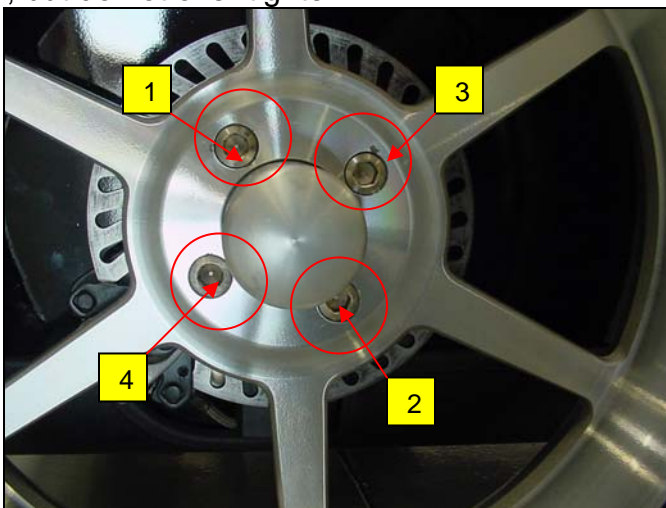
- 6.0 Remove the dolly or other support and set the T3 unit on the ground.



- 7.0 Torque the lugs to 40 foot pounds using the torque wrench. Follow the torque pattern in photo 7.1.



- 7.1 Torque pattern for even tightening. Double check the torque repeating the pattern, but do not over tighten.



For addition information, contact T3 Motion at: (714)-619-3600.